

MONTANA FISH AND GAME DEPARTMENT
FISHERIES DIVISION
HELENA, MONTANA

REP ID: _____

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JOB COMPLETION REPORT
INVESTIGATIONS PROJECTS

State of Montana

Project No. F-4-R-10

Job No. III

Name Statewide Creel Census

Title Census of Fisherman's Creel

Period Covered May 1, 1960 - April 30, 1961

Abstract:

The third annual statewide Sport Fishing Survey was made in Montana during 1960. Questionnaires were mailed to 10% of the resident license holders, 20% of the season non-resident license holders and 5% of the 7-day non-resident license holders. Returns were 51%, 46% and 54% respectively. The estimated total number of fisherman days during the 18-week period sampled was 1,521,000. An estimated 7,356,000 trout and salmon were caught. Most resident fishing was done in the Yellowstone Drainage above the Big Horn River. Non-residents fished most in the Madison River Drainage. Trout streams received by far the heaviest fishing pressure, 61% showing a strong preference for this type of fishing. Only 18% of the fishing trips produced limit catches of 10 trout and salmon.

Objectives:

To determine total fishing pressure and success by type of water. This was determined weekly through the use of mail survey. This survey also gave statewide species composition and a comparison of fishing pressure by drainages.

Techniques Used:

The mailing list for the Sport Fishing Survey was secured by drawing every tenth name from the 1959 resident fishing license stubs. These stubs are filed as they are remitted from license dealers so that no special sorting is involved. The name, address, month license was bought, and county were punched on IBM cards. The cards were then numbered serially by machine. The resulting list (10% of the total licenses) provided 18,000 names which were mailed questionnaires at the rate of 1,000 a week for 18 weeks during the regular fishing season. The 18 lists of 1,000 names each were selected by starting with the original list arranged in the order in which they were drawn and drawing every 18th name, the 17th and so on until the 18,000 were exhausted. The mechanics of drawing the 18 lists of 1,000 names each and addressing the envelopes was accomplished through the use of IBM. A survey questionnaire with the same serial number as the envelope was inserted in each envelope. These were mailed out each Thursday during the 18 week period.

Information returned on the forms was summarized by IBM machines. Non-resident licenses were sampled at the end of the fishing season after license returns from dealers were completed. Five percent of the non-resident 7-day fishing license holder (1,950) and 20% of the non-resident season fishing license holders (1,042) were

contacted in one mailing through IBM and returns were summarized by IBM. The resulting data was then examined and tabulated with needed calculations made by calculator.

Findings:

This is the third year of the mail survey. A total of 18,000 questionnaires were sent out to resident bird and fish license holders at the rate of 1,000 per week for 18 weeks from May 19, 1960 to September 21, 1960. This was a 10% sample of all 1959 resident license holders. Fifty-one and two tenths percent of the persons receiving questionnaires responded with usable returns. These returns were made up of the following three groups: 1) Those that fished during the week contacted, 12.7%; 2) Those that fished but did not fish during the week contacted, 28.5%; 3) Those that do not fish, 10%. In addition 5.7% of the forms were returned as non-deliverable.

These Sport Fishing Survey Questionnaires sought information as to whether or not the recipient fished, whether or not they fished during the specified week, days of the week fished, name and location of the water fished, and number of fish caught.

Figures for 1958 and 1959 are included in this report for comparison with the 1960 figures. For the 18 week period, May to September 1960, total of 3,766 days fished were reported with a catch of 18,038 trout and salmon and 4,403 other fish. The average catch of trout and salmon was 4.8 per man-day which is above the 4.5 for 1958 and the 4.2 in 1959.

Response from non-resident fishermen was somewhat higher than in 1958 and 1959. In 1960, 54.6% of the questionnaires sent to 7-day non-resident license holders were returned with usable information. Returns were from two groups: 1) From those that fished, 52.8%; 2) From those who did not fish, 1.8%. In addition 4.3% of the forms were returned as non-deliverable and 0.9% were non-usable due to incomplete information. This return is slightly higher than the 52.6% return in 1959 and considerably higher than the 46.7% in 1958.

There has been a small reduction in the number of fishing licenses sold during the last three years from 234,741 fishing licenses in 1958, to 232,050 in 1959 and 230,449 in 1960. It is estimated that during the eighteen week period covered by the survey, there were 1,521,000 man-days spent fishing in 1960 as compared to 1,520,000 in 1959 and 1,495,000 in 1958. During 1960 there were an estimated 7,356,000 trout and salmon caught for an average catch of 4.8 per fisherman day. This is above the estimate for 1958 and 1959.

A breakdown of the above totals by type of license for the years 1958, 1959 and 1960 is as follows:

Type License	Number Sold			No. days fished		
	1958	1959	1960	1958	1959	1960
Resident	187,949	185,727	185,995	1,323,000	1,345,000	1,356,000
7-day non-resident	40,933	40,522	38,994	112,000	121,000	112,000
Season non-resident	5,859	5,801	5,460	60,000	54,000	53,000
Total	234,741	232,050	230,449	1,495,000	1,520,000	1,521,000

Type License	No. Trout & Salmon Caught			Trout & Salmon Catch Per Day		
	1958	1959	1960	1958	1959	1960
Resident	6,012,000	5,744,000	6,494,000	4.5	4.3	4.8
7-day non-resident	459,000	445,000	569,000	4.1	3.7	5.1
Season non-resident	225,000	202,000	293,000	3.7	3.8	5.5
Total or Average	6,696,000	6,391,000	7,356,000	4.5	4.2	4.8

It was found in 1960 that the resident spent an average of 8.1 days fishing; the 7-day non-resident, 2.9, and the season non-resident, 9.7. Based on these figures, each resident fisherman caught an average of 38.9 trout and salmon for the 18 week period, while the season non-resident caught 53.3. The 7-day non-resident averaged 14.8 trout and salmon caught during the 7-day period his license was valid.

Percentages in Table 1 show the distribution of resident and non-resident fishermen and also the distribution of the trout and salmon catch by drainage.

In 1959 and 1960 the Yellowstone River Drainage above the Big Horn River had the heaviest fishing pressure from residents (14% and 14.5%) followed by the Missouri River Drainage above the Marias (10.9% and 10.6%) and the Flathead Drainage below the South Fork (10.6% and 8.7%). This is a shift from first to third for the Flathead since 1958, with the Yellowstone moving from second to first.

The highest catch of trout and salmon for residents in all three years was made in the Yellowstone Drainage above the Big Horn. Heaviest fishing pressure and the greatest catches by 7-day non-residents were in the Madison River Drainage followed by the Flathead Drainage below the South Fork during the three year period.

Season non-residents fished most during all three years in the Madison Drainage, followed by the Yellowstone Drainage above the Big Horn in 1959 and 1960. The Flathead below the South Fork was second in 1958.

Table 2 lists the distribution of fishing pressure and trout and salmon catch by counties. Most fishing by residents was done in Flathead and Lewis and Clark Counties in all three years. The improved fishing in Cabinet Gorge and Noxon Rapids Reservoirs is reflected in the steady increase in fishing pressure in Sanders County during all three years. It is interesting to note that counties with high populations are not always the ones with highest fishing pressure as is indicated in Yellowstone and Silver Bow Counties, both of which had comparatively low fishing pressure.

Fishing pressure and harvest by type water is found in Table 3. Stream fishing in trout streams is by far the most popular with all three types of license holders. Next most popular are trout reservoirs and trout lakes, although still less than half the pressure on trout streams when totaled together. This indicates the very heavy preference for trout stream fishing in Montana.

As found in Table 4, resident fishing pressure and catch remain fairly constant until August when the fishing pressure gradually declines. Non-resident fishing as seen in Table 5, is heaviest during July and August as is expected from tourist travel during the summer months.

From Table 6 it may be seen that resident fishing pressure was lowest during Monday, Tuesday and Wednesday with the high being Sunday in 1958 and Thursday in 1959 and 1960.

The present limit of ten fish for trout and salmon has little effect on the total number of these species caught in the state as shown by the data in Table 7. From this table it may be seen that the present limit of 10 places no restriction on catch for 82% or more of the days spent fishing.

Information gained from this project on distribution of fishing pressure has been valuable to fisheries managers in determining needs and priorities for management measures. The increase in fishing pressure in Sanders County indicates the success of the Clark Fork rehabilitation and restocking in improving the fishing in Noxon Rapids and Cabinet Gorge Reservoirs at the present time. If this excellent fishing continues, there should be a continued increase in fishing pressure.

Recommendations:

The mail survey will be discontinued during 1961 and will not be renewed until the department statistician has had a chance to evaluate the present data. The possibility of combining three years data to determine comparative fishing pressure on individual waters will be explored. The data from one year does not provide a large enough sample to accomplish this individual water breakdown. Other ideas will be explored as they present themselves.

Prepared by: Clinton G. Bishop

Date: May 10, 1961

Approved by: George D. Holton
George D. Holton
Asst. Coordinator

TABLE 1.

PERCENTAGE OF FISHERMAN DAYS AND TROUT AND SALMON CAUGHT IN EACH DRAINAGE IN MONTANA
IN 1958, 1959 and 1960

Drainage	Total Fisherman Days						Total Trout and Salmon Caught								
	Resident %		6-day Non-Res. %		Season Non-Res. %		Resident %		6-day Non-Res. %		Season Non-Res. %				
	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960			
Beaverhead	1.7	2.4	2.1	4.9	6.6	7.0	2.2	2.7	2.9	7.0	8.6	7.3	3.9	4.1	3.8
Big Hole	4.4	3.7	3.8	4.3	4.2	3.3	4.4	4.5	5.1	4.7	5.3	4.6	2.8	2.5	3.5
Bitterroot	4.0	2.9	2.8	3.5	4.1	3.6	4.4	2.6	3.3	4.0	4.8	4.8	3.8	3.6	3.4
Blackfoot	4.7	3.8	4.0	2.1	2.6	3.2	5.1	4.5	3.6	1.5	2.4	3.2	0.9	2.5	5.6
Clark Fork (Above Bitterroot)	6.1	6.9	6.1	2.7	3.8	4.0	7.7	7.4	6.7	3.1	3.7	4.1	3.0	2.4	2.6
Clark Fork (Below Bitterroot)	2.2	3.5	4.3	3.5	3.7	7.8	2.3	3.9	5.8	4.6	5.2	7.9	15.8	17.0	13.4
Flathead (Above & incl. So. Fk.)	2.7	2.4	3.3	2.7	2.2	2.2	2.1	2.1	3.7	1.9	2.0	2.7	4.4	2.0	2.1
Flathead (Below So. Fk.)	12.1	10.6	8.7	12.1	14.1	15.9	10.9	11.2	7.2	11.9	13.3	11.2	10.2	8.3	7.5
Gallatin	3.6	3.9	4.5	6.7	5.6	6.2	2.7	4.2	5.7	6.5	5.7	5.9	4.0	4.5	8.0
Jefferson	2.7	2.6	2.3	1.3	2.1	1.5	1.8	2.7	2.8	1.1	1.6	1.5	0.7	3.2	1.4
Kootenai	3.6	4.0	4.1	2.5	4.4	2.7	3.9	5.1	4.8	3.4	4.5	4.4	3.0	5.5	2.4
Little Missouri	0.1	0.04	0.1	0.04	---	---	0.0	0.0	0.04	0.0	---	---	---	---	---
Madison	4.8	4.9	3.0	34.9	28.2	20.3	5.0	4.9	3.1	33.8	25.9	20.9	24.3	20.6	18.5
Marias	8.6	6.0	5.2	3.0	2.2	1.3	10.1	6.3	4.2	2.7	2.6	0.9	6.7	3.9	1.4
Milk	3.2	2.4	2.5	0.3	0.3	0.4	2.1	2.2	1.8	0.2	0.2	0.2	0.3	0.8	0.2
Missouri (above Marias)	7.7	10.9	10.6	3.1	4.3	5.4	10.5	10.5	10.2	2.3	4.0	4.7	3.2	2.7	4.4
Missouri (below Marias)	7.1	6.2	7.8	1.2	1.3	2.2	3.5	4.2	5.5	0.8	0.6	1.6	1.4	3.6	2.3
Musselshell	2.5	2.0	2.3	0.7	0.6	0.6	2.3	2.1	2.6	0.8	0.4	0.8	1.2	0.5	0.6
St. Mary's	0.7	0.9	0.5	0.4	1.0	1.0	0.2	0.3	0.1	0.2	0.3	0.2	0.4	0.7	0.3
Sun	3.5	3.0	2.5	0.4	1.1	0.8	2.1	2.6	2.1	0.4	1.2	1.9	0.7	0.7	3.0
Yellowstone (above & incl. Big Horn)	10.9	14.0	14.5	8.2	7.9	9.6	15.2	14.1	16.4	8.5	7.0	10.3	7.7	9.3	13.4
Yellowstone (below Big Horn)	2.1	2.2	3.2	0.2	0.1	0.5	0.7	1.1	1.2	0.1	0.2	0.1	0.2	0.7	0.4
Yellowstone and Glacier Parks	1.2	1.0	1.7	1.3	1.0	0.4	0.8	0.9	2.0	0.5	0.6	0.7	1.4	1.0	1.4

TABLE 2

PERCENTAGE OF FISHERMAN DAYS AND TROUT AND SALMON CAUGHT BY COUNTY IN MONTANA
IN 1958, 1959, 1960

County	Total Fisherman Days						Total Trout and Salmon Caught												
	% Resident		% 6-Day Non-Res.		% Season Non-Res.		% Resident		% 6-Day Non-Res.		% Season Non-Res.								
	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960							
Glacier and Yellowstone Park	1.2	1.0	1.6	1.2	1.0	0.4	1.3	1.1	1.3	0.8	0.8	2.0	0.6	0.5	0.7	0.7	1.3	1.0	1.4
Silver Bow	0.6	0.4	0.4	0.4	0.5	0.4	0.6	0.0+	0.3	0.6	0.3	0.7	0.3	0.7	0.3	0.7	0.2	0.1	0.3
Cascade	2.0	3.0	2.4	0.8	1.1	1.7	1.6	0.4	1.4	1.6	2.5	1.8	0.7	0.6	1.7	0.9	0.4	1.2	
Yellowstone	0.2	0.5	0.2	0.3	0.1	0.1	0.1	0.1	0.0+	0.0+	0.1	0.1	0.0+	0.0	0.0+	0.1	0.0+	0.0	
Missoula	5.0	4.5	4.1	2.5	3.6	3.4	2.1	3.9	3.3	5.8	4.3	3.9	2.1	2.9	2.7	2.6	3.4	3.3	
Lewis & Clark	8.2	8.4	7.2	2.4	3.1	2.7	3.8	4.5	4.5	6.9	7.3	5.6	1.5	2.9	3.2	1.9	1.8	4.3	
Gallatin	4.9	5.1	5.6	23.0	18.6	13.7	21.1	17.8	14.4	4.2	5.0	5.7	19.9	16.2	12.3	16.8	15.8	14.9	
Flathead	8.2	7.4	7.5	6.1	6.3	6.6	7.3	3.8	4.8	7.6	7.5	6.6	4.1	6.8	5.5	7.5	5.0	3.5	
Fergus	2.5	2.9	3.3	0.5	1.0	1.6	0.7	1.0	2.2	2.6	3.0	3.0	0.4	0.5	1.4	0.8	1.1	2.0	
Powder River	0.1	0.0+	0.1	---	---	---	0.0+	---	---	0.1	0.0	0.0	---	---	---	0.0+	---	---	
Carbon	2.6	3.1	2.9	1.9	0.9	1.5	1.5	2.5	2.1	3.1	3.5	4.3	1.9	0.8	1.4	1.8	2.4	1.8	
Phillips	1.0	0.5	0.3	0.0+	0.2	0.2	0.1	---	0.0+	0.0+	0.0	0.0+	0.0	0.0	0.0	0.0+	---	0.0	
Hill	0.4	0.7	0.1	0.1	0.0+	0.3	0.0+	0.2	0.4	0.3	0.6	0.2	0.0	0.0	0.1	0.0+	0.1	0.2	
Beavall	3.0	2.3	2.6	3.0	3.8	3.5	2.3	2.9	3.0	3.7	2.3	3.2	3.8	4.6	4.7	3.7	2.9	3.4	
Quater	0.4	0.3	0.5	---	---	0.0+	0.1	---	0.1	0.0	0.0+	0.1	---	---	0.0+	0.1	---	0.0	
Lake	4.9	4.8	3.5	8.5	9.3	10.1	8.4	3.9	8.4	4.5	5.3	3.2	9.3	8.1	6.8	5.8	4.8	5.5	
Dawson	0.4	0.4	0.5	0.1	---	0.1	0.2	0.3	---	0.0+	0.1	0.0	0.0	---	0.0	0.0+	0.0	---	
Roosevelt	0.7	0.5	0.3	---	---	0.0+	---	---	---	0.0+	0.1	0.1	---	---	0.0	---	---	---	
Beaverhead	3.9	3.5	4.0	6.6	9.2	8.1	4.7	4.5	6.1	4.5	4.2	4.8	8.3	11.5	9.1	6.0	5.2	5.7	
Choteau	0.7	0.6	1.1	0.0+	0.1	0.2	0.1	0.1	0.0+	0.8	0.8	0.9	0.0	0.2	0.2	0.0+	0.1	0.0+	
Valley	2.3	1.9	2.2	0.3	0.2	0.2	0.4	0.2	0.8	0.1	0.1	0.3	0.0+	0.0	0.0+	0.6	0.0+	0.0+	
Toole	1.5	0.7	0.4	0.6	0.3	0.1	1.3	1.5	0.0+	1.5	0.5	0.2	0.4	0.2	0.0+	2.3	1.7	0.0+	
Big Horn	0.6	1.1	0.6	0.1	0.2	0.2	0.6	0.3	0.7	1.0	1.5	0.9	0.0+	0.1	0.1	0.5	0.6	0.8	
Musselshell	0.1	---	0.0+	0.1	0.0+	---	---	---	0.0+	0.0	---	0.0	0.0+	0.0	---	---	---	0.0	
Blaine	0.6	0.8	0.6	0.0+	0.0+	---	---	0.1	0.1	0.5	1.1	0.6	0.0	0.0	---	---	0.2	0.1	
Madison	5.3	6.6	4.5	21.7	17.0	15.6	14.7	13.4	13.4	5.4	7.0	5.7	24.2	17.6	17.7	12.3	11.9	14.2	
Pondera	0.7	0.5	0.7	0.4	0.3	0.1	0.1	0.2	0.1	0.6	0.6	0.8	0.6	0.3	0.1	0.3	0.2	0.5	
Richland	0.7	0.7	1.1	0.0	0.0+	0.2	0.0+	0.4	0.1	0.5	0.3	0.6	0.0	0.0	0.0	0.0	0.5	0.0+	

TABLE 2 - Continued

PERCENTAGE OF FISHERMAN DAYS AND TROUT AND SALMON CAUGHT BY COUNTY IN MONTANA
IN 1958, 1959, 1960

County	Total Fisherman Days						Total Trout and Salmon Caught											
	% Resident			% 6-Day Non-Res.			% Resident			% 6-Day Non-Res.			% Season Non-Res.					
	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960			
Powell	2.2	2.8	2.3	0.8	0.9	1.7	0.5	0.2	1.7	3.5	3.0	2.8	0.7	0.9	2.2	0.5	0.3	2.9
Rosebud	0.4	0.4	0.6	0.1	0.1	0.0+	0.1	0.0+	---	0.0+	0.4	0.1	0.1	0.2	0.0+	0.1	0.0	---
Deer Lodge	1.7	2.4	2.7	0.5	1.1	1.0	0.5	0.5	0.5	1.5	2.4	2.4	0.3	1.0	1.3	0.4	0.1	0.4
Teton	1.2	0.7	1.2	0.2	0.2	0.1	0.6	0.1	0.3	1.0	0.4	1.0	0.2	0.2	0.1	0.4	0.1	0.0+
Stillwater	3.5	3.4	3.9	1.6	1.8	2.0	0.7	1.5	2.2	4.0	3.1	4.3	1.5	1.5	1.3	0.6	1.5	2.1
Treasure	0.1	0.1	0.0+	---	---	---	---	0.4	---	0.0	0.0	0.0	---	---	---	---	0.0	---
Sheridan	---	0.2	---	---	---	---	---	---	---	---	0.0	---	---	---	---	---	---	---
Sanders	1.2	2.0	2.7	1.1	2.1	6.3	2.7	2.1	5.8	1.4	2.5	3.6	1.8	3.2	5.9	5.3	3.1	7.8
Judith Basin	0.9	0.7	1.6	0.4	0.1	0.3	0.0+	1.1	0.2	0.7	1.0	2.1	0.5	0.1	0.2	0.0+	2.4	0.3
Daniels	0.0+	0.0+	0.1	---	---	---	---	---	---	0.0	0.0	0.0	---	---	---	---	---	---
Glacier	2.4	2.4	2.5	1.1	1.9	1.9	1.9	3.8	1.9	3.2	1.9	2.1	0.8	1.2	0.7	1.2	2.1	1.4
Fallon	0.1	0.0+	0.3	0.0+	---	---	---	---	---	0.0	0.0	0.0+	0.0	---	---	---	---	---
Sweet Grass	2.4	2.1	2.4	1.1	1.5	1.1	1.3	2.3	1.4	2.7	1.8	2.0	1.8	1.5	1.0	1.1	2.1	1.4
McCone	0.2	0.3	0.3	---	---	---	---	0.1	---	0.0	0.0+	0.0+	---	---	---	---	0.0	---
Carter	0.0+	0.0+	0.1	---	---	0.0+	---	---	---	0.0	0.0	0.0	---	---	0.0	---	---	---
Broadwater	1.4	0.5	0.8	0.3	0.2	0.9	0.5	0.4	0.6	1.5	0.6	0.9	0.2	0.1	0.7	0.5	0.3	0.9
Wheatland	1.0	1.0	0.6	0.3	0.3	0.6	0.5	0.1	0.1	1.0	0.9	0.7	0.3	0.2	0.5	0.9	0.2	0.1
Prairie	0.0+	0.1	0.1	---	---	0.2	---	---	---	0.0	0.0	0.0	---	---	0.0	---	---	---
Granite	2.5	2.2	2.1	1.9	2.2	2.1	2.0	1.7	2.1	3.5	3.1	2.8	2.5	2.5	2.1	2.0	2.3	1.9
Meagher	2.3	2.2	3.3	0.5	1.2	0.7	0.5	1.1	1.9	3.4	3.5	4.8	0.9	1.6	1.2	0.8	0.8	1.8
Liberty	4.2	3.0	1.7	1.3	0.8	0.3	2.0	0.8	0.3	5.5	3.9	0.8	1.1	1.3	0.5	3.3	1.2	0.3
Park	3.6	4.1	4.5	3.0	3.4	4.6	5.0	3.0	6.0	4.2	4.5	4.9	2.8	3.1	6.2	3.7	2.9	7.6
Garfield	0.2	0.1	0.2	0.0+	0.1	---	---	---	---	0.0	0.1	0.0	0.0	0.0	---	---	---	---
Jefferson	1.7	2.1	1.4	0.7	1.2	0.8	0.3	2.1	0.4	1.6	2.2	2.1	0.3	0.9	0.9	0.6	2.7	0.5
Wibaux	---	---	0.1	---	---	---	---	---	---	---	---	0.0+	---	---	---	---	---	---
Golden Valley	0.1	0.1	0.1	---	---	0.0-	---	0.0-	---	0.1	0.1	0.2	---	---	0.2	---	0.0	---
Mineral	0.5	0.4	1.0	1.8	0.8	1.4	5.8	6.9	4.1	0.7	0.6	1.3	2.3	1.1	1.8	9.8	13.6	5.5
Petroleum	0.0-	---	0.3	---	---	0.0-	---	---	---	0.0	---	0.1	---	---	0.0	0.0	---	---
Lincoln	3.5	4.2	4.5	2.7	3.3	3.1	1.7	3.9	2.7	3.8	5.4	5.4	3.8	4.8	5.0	3.3	5.5	2.4

TABLE 3

PERCENTAGE OF FISHERMAN DAYS AND TROUT AND SALMON CAUGHT BY TYPE OF WATER IN MONTANA - 1958, 1959, and 1960

Type Water	TOTAL FISHERMAN DAYS			TOTAL TROUT AND SALMON CAUGHT														
	1958	1959	1960	1958	1959	1960												
	% Resident			% 6-Day Non-Res.			% Season Non-Res.			% Resident			% 6-Day Non-Res.			% Season Non-Res.		
Parks or unknown	1.2	1.0	1.6	1.2	1.0	0.4	1.3	1.1	1.3	0.8	0.9	2.0	0.5	0.6	0.7	1.1	1.0	1.4
Trout Streams	61.7	62.6	60.4	63.0	74.2	69.2	60.0	67.0	69.3	71.3	69.5	71.0	68.8	70.5	75.9	68.1	69.6	75.9
Non-Trout Streams	2.8	3.3	2.9	0.3	0.2	0.5	0.5	0.8	0.3	0.25	1.4	0.4	0.2	0.3	0.1	0.5	0.1	0.1
Trout Lakes	12.0	12.8	13.1	15.5	16.5	18.9	16.8	12.4	17.8	11.7	12.8	11.9	14.7	16.1	14.6	13.0	12.1	14.4
Non-Trout Lakes	0.2	0.9	0.7	---	0.3	1.0	0.1	0.4	0.6	0.0	0.8	1.0	---	0.4	1.0	0.0	0.7	0.7
Trout Reservoirs	18.9	15.7	16.2	18.9	14.2	9.2	20.7	17.4	9.5	14.3	12.2	10.0	15.0	11.5	7.1	17.1	15.3	6.8
Non-Trout Res.	0.9	0.7	0.7	0.5	0.8	0.4	0.5	0.0	0.5	0.25	0.3	0.3	0.4	0.4	0.3	0.0+	0.0	0.3
Trout Ponds	1.6	2.4	3.5	0.5	0.4	0.3	0.1	0.9	0.6	1.3	2.1	3.2	0.4	0.1	0.3	0.2	1.2	0.4
Non-Trout Ponds	0.7	0.5	0.9	0.1	0.2	0.1	0.0-	---	0.0+	0.1	0.1	0.1	0.0	0.0	0.0	0.0	---	0.0

TABLE 4

DISTRIBUTION OF RESIDENT FISHERMAN DAYS AND TROUT AND SALMON CAUGHT BY WEEK DURING THE 18-WEEK PERIOD SAMPLED IN 1958, 1959 and 1960

Period	% Days Fished			% Trout & Salmon Caught		
	1959	1958	1960	1959	1958	1960
1958						
May 22-28			May 19-25	5.5	5.9	4.9
May 29-June 4			May 26-June 1	7.8	8.4	8.3
June 5-11			June 2-8	5.0	4.9	5.8
June 12-18			June 9-15	5.8	6.4	5.4
June 19-25			June 16-22	5.6	7.2	4.6
June 26-July 2			June 23-29	5.7	7.6	6.1
July 3-9			June 30-July 6	7.3	6.8	7.9
July 10-16			July 7-13	7.0	5.6	5.9
July 17-23			July 14-20	6.3	7.5	6.1
July 24-30			July 21-27	5.7	5.9	6.4
July 31-Aug. 6			July 28-Aug. 3	5.6	6.2	4.8
Aug. 7-13			Aug. 4-10	5.3	5.0	6.4
Aug. 14-20			Aug. 11-17	5.6	5.2	6.0
Aug. 21-27			Aug. 18-24	5.4	4.1	5.2
Aug. 28-Sept. 3			Aug. 25-31	4.7	5.8	4.2
Sept. 4-10			Sept. 1-7	4.9	3.0	5.2
Sept. 11-17			Sept. 8-14	3.6	2.3	4.1
Sept. 18-24			Sept. 15-21	3.3	2.2	2.7

TABLE 6

DISTRIBUTION OF RESIDENT FISHERMAN DAYS AND TROUT AND SALMON CAUGHT BY DAY OF THE WEEK IN MONTANA
DURING 1958, 1959 and 1960

Day	% Days Fished		% Trout & Salmon Caught	
	1958	1959	1958	1959
Sunday	35.0	23.2	35.7	33.0
Monday	6.3	3.7	7.6	6.6
Tuesday	6.9	2.9	7.6	7.4
Wednesday	7.6	2.5	8.3	8.8
Thursday	10.3	28.6	10.0	12.0
Friday	12.9	12.7	11.9	9.8
Saturday	20.3	26.4	19.6	22.5

TABLE 7

DISTRIBUTION OF RESIDENT FISHING PRESSURE BY NUMBER OF TROUT AND SALMON CAUGHT DURING
1958, 1959 and 1960

Number of Trout & Salmon	% Total Days Fished		Number of Trout & Salmon	% Total Days Fished	
	1958	1959		1958	1959
0	26.21	23.1	9	3.28	2.8
1	7.97	8.8	10	9.60	10.4
2	9.46	8.0	11	1.19	0.9
3	7.37	8.8	12	1.27	1.4
4	7.20	9.1	13	0.55	0.2
5	7.09	6.1	14	1.05	0.8
6	5.32	7.0	15	2.62	1.5
7	4.17	5.4	Over 15	0.58	0.8
8	5.10	5.5			3.2

